STATEMENT OF BASIS

as required by LAC 33:IX.3109 for LPDES facilities where a fact sheet is not required under LAC 33:IX.3311, for draft **Louisiana Pollutant Discharge Elimination System Permit No. LA0020605; AI 19520; PER20070001** to discharge to waters of the **State of Louisiana** as per LAC 33:IX.2311.

The **permitting authority** for the Louisiana Pollutant Discharge Elimination System (LPDES) is:

Louisiana Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

I. **THE APPLICANT IS:** Town of Kinder, Louisiana
Kinder Wastewater Treatment Facility
P.O. Drawer AH
Kinder, LA 70648

II. **PREPARED BY:** Ronda Burtch

DATE PREPARED: August 22, 2007

III. **PERMIT ACTION:** reissue LPDES permit LA0020605, AI 19520; PER20070001

LPDES application received: March 1, 2007

LPDES permit issued: September 1, 2002
LPDES permit expired: August 31, 2007

IV. **FACILITY INFORMATION:**

A. The application is for the discharge of treated sanitary wastewater from a publicly owned treatment works serving the Town of Kinder and an Indian Reservation Casino.

B. The permit application does not indicate the receipt of industrial wastewater.

C. The facility is located on Neilson Road, 2 miles east of US Hwy. 165 in Kinder, Allen Parish

D. The treatment facility consists of an aquaculture retrofit of a single cell oxidation lagoon, land application of harvested biomass, pre-aeration, UV disinfection, and post aeration. Disinfection is by ultraviolet light.

E. Outfall 001

Discharge Location: Latitude 30° 29' 11" North
Longitude 92° 49' 35" West

Description: treated sanitary wastewater

Design Capacity: 0.605 MGD

Please note that if the facility grows to a discharge beyond the design capacity of the facility, additional sewage treatment may be required with prior approval of the facility's plans by the Louisiana Department of Health and Hospitals and notification must be submitted to the LDEQ. Also, if the expected flow reaches or exceeds the design capacity of the facility, a permit modification may be required.

Type of Flow Measurement which the facility is currently using:

Combination Totalizing Meter / Continuous Recorder

V. RECEIVING WATERS:

The discharge is into an unnamed parish drainage ditch, thence into the Kinder Ditch, thence into the Calcasieu River in segment 030103-04075 of the Calcasieu River Basin. This segment is not listed on the 303(d) list of impaired waterbodies.

The designated uses and degree of support for Segment 030103-04075 of the Calcasieu River Basin are as indicated in the table below[1/]:

Overall Degree of Support for Segment 030103-04075	Degree of Support of Each Use						
Not Assessed	Primary Contact Recreation	Secondary Contact Recreation	Propagation of Fish & Wildlife	Outstanding Natural Resource Water	Drinking Water Supply	Shell fish Propagation	Agriculture
	N/A	Not Assessed	Not Assessed	N/A	N/A	N/A	N/A

[1/]The designated uses and degree of support for Segment 030103-04075 of the Calcasieu River Basin are as indicated in LAC 33:IX.1123.C.3, Table (3) and the 2004 Water Quality Management Plan, Water Quality Inventory Integrated Report, Appendix A, respectively.

VI. ENDANGERED SPECIES:

The receiving waterbody, Subsegment 030103-04075 of the Calcasieu River Basin, is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U. S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated September 29, 2006 from Watson (FWS) to Brown (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. It was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

VII. HISTORIC SITES:

The discharge is from an existing facility location, which does not include an expansion beyond the existing perimeter. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the 'Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits' no consultation with the Louisiana State Historic Preservation Officer is required.

VIII. PUBLIC NOTICE:

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit modification and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

For additional information, contact:

Ms. Ronda Burtch
Permits Division
Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

IX. PROPOSED PERMIT LIMITS:

Subsegment 030103-04075, Kinder Ditch - Headwaters (unnamed tributary) to confluence with Calcasieu River, is not listed on LDEQ's Final 2004 303(d) List as impaired, and to date no TMDLs have been established. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.

Although, this subsegment is not listed on LDEQ's Final 2004 303(d) List as impaired, a wasteload allocation for the Town of Kinder has been established. Based on the *Second Calibrated Model and Wasteload Allocation for the Town of Kinder STP,* $CBOD_5$, Ammonia-Nitrogen, and DO limitations have been established. The $CBOD_5$, Ammonia-Nitrogen, and DO limitations will be permitted as follows:

Limitations	Months
5 mg/l $CBOD_5$ / 2 mg/l NH_3-N / 6 mg/l DO	June-November
10 mg/l $CBOD_5$ / 10 mg/l NH_3-N / 6 mg/l DO	December-May

Final Effluent Limits:

OUTFALL 001

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg. (lbs./day)	Monthly Avg.	Weekly Avg.	Basis
$CBOD_5$ June-November December-May	 25 50	 5 mg/l 10 mg/l	 8 mg/l 15 mg/l	Limits are set in accordance with the *Second Calibrated Model and Wasteload Allocation for the Town of Kinder STP*, September 1, 2000 (attached) and approved by EPA in a letter dated June 4, 2001.
TSS	50	10 mg/l	15 mg/l	TSS effluent limitations shall be based on a case-by-case evaluation of the treatment technology being utilized at a facility. Therefore, a Technology Based Limit has been established through Best Professional Judgement for the type of treatment technology utilized at this facility.
Ammonia-Nitrogen June-November December-May	 10 25	 2 mg/l 10 mg/l	 4 mg/l 20 mg/l	Limits are set in accordance with the *Second Calibrated Model and Wasteload Allocation for he Town of Kinder STP*, September 1, 2000 (attached) and approved by EPA in a letter dated June 4, 2001.
Dissolved Oxygen	---	6 mg/l min.	N/A	Limits are set in accordance with the *Second Calibrated Model and Wasteload Allocation for the Town of Kinder STP*, September 1, 2000 (attached) and approved by EPA in a letter dated June 4, 2001.

**This Dissolved Oxygen limit is the lowest allowable average of daily discharges over a calendar month. When monitoring is conducted, the Dissolved Oxygen shall be analyzed immediately, as per 40 CFR 136.3.

Other Effluent Limitations:

1) Fecal Coliform

The discharge from this facility is into a water body which has a designated use of Secondary Contact Recreation. According to LAC 33:IX.1113.C.5.b.li, the fecal coliform standards for this water body are 1000/100 ml and 2000/100 ml. Therefore, the limits of 1000/100 ml (Monthly Average) and 2000/100 ml (Weekly Average) are proposed as Fecal Coliform limits in the permit. These limits are being proposed through Best Professional Judgement in order to ensure that the water body standards are not exceeded, and due to the fact that existing facilities have demonstrated an ability to comply with these limitations using present available technology.

2) pH

According to LAC 33:IX.3705.A.1., POTW's must treat to at least secondary levels. Therefore, in accordance with LAC 33:IX.5905.C., the pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time.

3) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

X. PREVIOUS PERMITS:

LPDES Permit No. LA0020605: Issued: September 1, 2002
Expired: August 31, 2007

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Monthly Avg.	Weekly Avg.	Measurement Frequency	Sample Type
Flow	Report	Report	Continuous	Recorder
$CBOD_5$				
June-November	5 mg/l	8 mg/l	1/week	3 Hr. Composite
December-May	10 mg/l	15 mg/l	1/week	3 Hr. Composite
TSS	10 mg/l	15 mg/l	2/month	3 Hr. Composite
Ammonia-Nitrogen				
June-November	2 mg/l	4 mg/l	1/week	3 Hr. Composite
December-May	10 mg/l	20 mg/l	1/week	3 Hr. Composite
Dissolved Oxygen	---	6 mg/l min.	1/week	Grab
Fecal Coliform Colonies	1000	2000	1/week	Grab
pH	6.0 – 9.0 SU		1/week	Grab

XI. ENFORCEMENT AND SURVEILLANCE ACTIONS:

A) Inspections

A review of the files indicates the following inspections were performed during the period beginning August 1, 2005 and ending August 1, 2007 for this facility.

Date: March 15, 2007
Inspector: LDEQ
Findings and/or Violations:

1. The review of DMRs for the period of 2006 to present revealed that the facility exceeded permit limits on several occasions.

2. The facility is starting the 1st portion of the 3-hour composite at 9:00 am, the permit defines a 3-hour composite to start no earlier than 10:00 am. In addition, the facility missed several weeks of sampling throughout the calendar year of 2006.
3. The permittee failed to furnish, within a reasonable time, information (missing DMRs) to the state administrative authority.
4. The review of lab reports revealed that on two (2) occasions the sampling holding times for Fecal Coliform and CBOD5 were exceeded.

B) Compliance and/or Administrative Orders

A review of the files indicates that there are no recent enforcement actions administered against this facility.

C) DMR Review

A review of the discharge monitoring reports for the period beginning April 1, 2005 through March 31, 2007 has revealed the following violations:

Month	Parameter	*DMR Reported Value	Permit Limit
April 2005	TSS, Monthly Avg. TSS, Weekly Avg. Fecal Coliform, Weekly Avg. Ammonia-Nitrogen, Monthly Loading Ammonia-Nitrogen, Monthly Avg.	13 mg/l 20 mg/l 45,000 col/100 ml 36.29 lbs/day 13.82 mg/l	10 mg/l 15 mg/l 2,000 col/100 ml 25 lbs/day 10 mg/l
May 2005	TSS, Monthly Avg. TSS, Weekly Avg.	18 mg/l 24 mg/l	10 mg/l 15 mg/l
June 2005	TSS, Monthly Loading TSS, Monthly Avg. TSS, Weekly Avg. $CBOD_5$, Monthly Loading $CBOD_5$, Monthly Avg. $CBOD_5$, Weekly Avg. Fecal Coliform, Monthly Avg. Fecal Coliform, Weekly Avg. Dissolved Oxygen, Monthly Avg. Ammonia-Nitrogen, Monthly Loading Ammonia-Nitrogen, Monthly Avg. Ammonia-Nitrogen, Weekly Avg.	182.58 lbs/day 35 mg/l 38 mg/l 75.91 lbs/day 15 mg/l 21 mg/l 2,659 col/100 ml 55,000 col/100 ml 5.3 mg/l 46.97 lbs/day 9.45 mg/l 11.4 mg/l	50 lbs/day 10 mg/l 15 mg/l 25 lbs/day 5 mg/l 8 mg/l 1,000 col/100 ml 2,000 col/100 ml 6 mg/l min. 10 lbs/day 2 mg/l 4 mg/l
July 2005	No DMRs on file		
August 2005	No DMRs on file		
September 2005	TSS, Monthly Loading TSS, Monthly Avg. TSS, Weekly Avg. $CBOD_5$, Monthly Loading $CBOD_5$, Monthly Avg. $CBOD_5$, Weekly Avg. Fecal Coliform, Monthly Avg. Fecal Coliform, Weekly Avg. Ammonia-Nitrogen, Monthly Loading Ammonia-Nitrogen, Monthly Avg.	148.22 lbs/day 18 mg/l 30 mg/l 88.34 lbs/day 10 mg/l 13 mg/l 1,561 col/100 ml 7,500 col/100 ml 139.98 lbs/day 14.68 mg/l 16.40 mg/l	50 lbs/day 10 mg/l 15 mg/l 25 lbs/day 5 mg/l 8 mg/l 1,000 col/100 ml 2,000 col/100 ml 10 lbs/day 2 mg/l 4 mg/l

	Ammonia-Nitrogen, Weekly Avg.		
October 2005	No DMRs on file		
November 2005	TSS, Monthly Loading	214.74 lbs/day	50 lbs/day
	TSS, Monthly Avg.	19 mg/l	10 mg/l
	TSS, Weekly Avg.	19 mg/l	15 mg/l
	$CBOD_5$, Monthly Loading	101.72 lbs/day	25 lbs/day
	$CBOD_5$, Monthly Avg.	9 mg/l	5 mg/l
	$CBOD_5$, Weekly Avg.	9 mg/l	8 mg/l
	Ammonia-Nitrogen, Monthly Loading	49.28 lbs/day	10 lbs/day
	Ammonia-Nitrogen, Monthly Avg.	4.36 mg/l	2 mg/l
	Ammonia-Nitrogen, Weekly Avg.	4.36 mg/l	4 mg/l
December 2005	TSS, Monthly Loading	268.85 lbs/day	50 lbs/day
	TSS, Monthly Avg.	24mg/l	10 mg/l
	TSS, Weekly Avg.	10 mg/l	15 mg/l
	$CBOD_5$, Monthly Loading	82.05 lbs/day	25 lbs/day
	Fecal Coliform, Monthly Avg.	1,405 col/100 ml	1,000 col/100 ml
	Fecal Coliform, Weekly Avg.	15,000 col/100 ml	2,000 col/100 ml
	Ammonia-Nitrogen, Monthly Loading	32.48 lbs/day	25 lbs/day
January 2006	TSS, Monthly Loading	207.75 lbs/day	50 lbs/day
	TSS, Monthly Avg.	18 mg/l	10 mg/l
	TSS, Weekly Avg.	18 mg/l	15 mg/l
	$CBOD_5$, Monthly Loading	115.42 lbs/day	50 lbs/day
	Fecal Coliform, Monthly Avg.	85,000 col/100 ml	1,000 col/100 ml
	Fecal Coliform, Weekly Avg.	85,000 col/100 ml	2,000 col/100 ml
	Ammonia-Nitrogen, Monthly Loading	105.38 lbs/day	25 lbs/day
February 2006	TSS, Monthly Loading	224.06 lbs/day	50 lbs/day
	TSS, Monthly Avg.	19 mg/l	10 mg/l
	TSS, Weekly Avg.	27 mg/l	15 mg/l
	$CBOD_5$, Monthly Loading	113.50 lbs/day	50 lbs/day
	Fecal Coliform, Monthly Avg.	50,951 col/100 ml	1,000 col/100 ml
	Fecal Coliform, Weekly Avg.	78,000 col/100 ml	2,000 col/100 ml
	Ammonia-Nitrogen, Monthly Loading	122.22 lbs/day	25 lbs/day
	Ammonia-Nitrogen, Monthly Avg.	10.50 mg/l	10 mg/l
March 2006	TSS, Monthly Loading	306.91 lbs/day	50 lbs/day
	TSS, Monthly Avg.	26 mg/l	10 mg/l
	TSS, Weekly Avg.	26 mg/l	15 mg/l
	$CBOD_5$, Monthly Loading	141.65 lbs/day	50 lbs/day
	$CBOD_5$, Monthly Avg.	12 mg/l	10 mg/l
	Fecal Coliform, Monthly Avg.	48,000 col/100 ml	1,000 col/100 ml
	Fecal Coliform, Weekly Avg.	48,000 col/100 ml	2,000 col/100 ml
	Ammonia-Nitrogen, Monthly Loading	198.31 lbs/day	25 lbs/day
	Ammonia-Nitrogen, Monthly Avg.	16.8 mg/l	10 mg/l
April 2006	TSS, Monthly Loading	331.52 lbs/day	50 lbs/day
	TSS, Monthly Avg.	28 mg/l	10 mg/l
	TSS, Weekly Avg.	28 mg/l	15 mg/l
	$CBOD_5$, Monthly Loading	224.96 lbs/day	50 lbs/day
	$CBOD_5$, Monthly Avg.	19 mg/l	10 mg/l
	$CBOD_5$, Weekly Avg.	19 mg/l	15 mg/l
	Fecal Coliform, Monthly Avg.	1,600 col/100 ml	1,000 col/100 ml

	Ammonia-Nitrogen, Monthly Loading	118.40 lbs/day	25 lbs/day
May 2006	TSS, Monthly Loading	346.22 lbs/day	50 lbs/day
	TSS, Monthly Avg.	29 mg/l	10 mg/l
	TSS, Weekly Avg.	37 mg/l	15 mg/l
	$CBOD_5$, Monthly Loading	179.93 lbs/day	50 lbs/day
	$CBOD_5$, Monthly Avg.	15 mg/l	10 mg/l
	$CBOD_5$, Weekly Avg.	20 mg/l	15 mg/l
	Ammonia-Nitrogen, Monthly Loading	3,324.23 lbs/day	25 lbs/day
June 2006	TSS, Monthly Loading	293.58 lbs/day	50 lbs/day
	TSS, Monthly Avg.	24 mg/l	10 mg/l
	TSS, Weekly Avg.	25 mg/l	15 mg/l
	$CBOD_5$, Monthly Loading	124.66 lbs/day	25 lbs/day
	$CBOD_5$, Monthly Avg.	10 mg/l	5 mg/l
	$CBOD_5$, Weekly Avg.	11 mg/l	8 mg/l
	Fecal Coliform, Monthly Avg.	1,349 col/100 ml	1,000 col/100 ml
	Fecal Coliform, Weekly Avg.	3,900 col/100 ml	2,000 col/100 ml
	Ammonia-Nitrogen, Monthly Loading	77.24 lbs/day	10 lbs/day
	Ammonia-Nitrogen, Monthly Avg.	6.41 mg/l	2 mg/l
	Ammonia-Nitrogen, Weekly Avg.	8.65 mg/l	4 mg/l
July 2006	TSS, Monthly Loading	327.44 lbs/day	50 lbs/day
	TSS, Monthly Avg.	27 mg/l	10 mg/l
	TSS, Weekly Avg.	30 mg/l	15 mg/l
	$CBOD_5$, Monthly Loading	107.07 lbs/day	25 lbs/day
	$CBOD_5$, Monthly Avg.	9 mg/l	5 mg/l
	$CBOD_5$, Weekly Avg.	10 mg/l	8 mg/l
	Fecal Coliform, Monthly Avg.	10,020 col/100 ml	1,000 col/100 ml
	Fecal Coliform, Weekly Avg.	60,000 col/100 ml	2,000 col/100 ml
	Ammonia-Nitrogen, Monthly Loading	80.53 lbs/day	10 lbs/day
	Ammonia-Nitrogen, Monthly Avg.	6.58 mg/l	2 mg/l
	Ammonia-Nitrogen, Weekly Avg.	9.71 mg/l	4 mg/l
August 2006	TSS, Monthly Loading	431.90 lbs/day	50 lbs/day
	TSS, Monthly Avg.	25 mg/l	10 mg/l
	TSS, Weekly Avg.	34 mg/l	15 mg/l
	$CBOD_5$, Monthly Loading	196.25 lbs/day	25 lbs/day
	$CBOD_5$, Monthly Avg.	11 mg/l	5 mg/l
	$CBOD_5$, Weekly Avg.	13 mg/l	8 mg/l
	Fecal Coliform, Monthly Avg.	2,672 col/100 ml	1,000 col/100 ml
	Fecal Coliform, Weekly Avg.	55,000 col/100 ml	2,000 col/100 ml
	Ammonia-Nitrogen, Monthly Loading	164.98 lbs/day	10 lbs/day
	Ammonia-Nitrogen, Monthly Avg.	8.35 mg/l	2 mg/l
	Ammonia-Nitrogen, Weekly Loading	12.30 mg/l	4 mg/l
September 2006	TSS, Monthly Loading	344.31 lbs/day	50 lbs/day
	TSS, Monthly Avg.	28 mg/l	10 mg/l
	TSS, Weekly Avg.	32 mg/l	15 mg/l
	$CBOD_5$, Monthly Loading	187.96 lbs/day	25 lbs/day
	$CBOD_5$, Monthly Avg.	15 mg/l	5 mg/l
	$CBOD_5$, Weekly Avg.	18 mg/l	8 mg/l
	Fecal Coliform, Monthly Avg.	33,541 col/100 ml	1,000 col/100 ml
	Fecal Coliform, Weekly Avg.	45,000 col/100 ml	2,000 col/100 ml

	Ammonia-Nitrogen, Monthly Loading Ammonia-Nitrogen, Monthly Avg. Ammonia-Nitrogen, Weekly Avg.	170.99 lbs/day 13.65 mg/l 14.30 mg/l	10 lbs/day 2 mg/l 4 mg/l
October 2006	TSS, Monthly Loading TSS, Monthly Avg. TSS, Weekly Avg. $CBOD_5$, Monthly Loading $CBOD_5$, Monthly Avg. $CBOD_5$, Weekly Avg. Fecal Coliform, Monthly Avg. Fecal Coliform, Weekly Avg. Ammonia-Nitrogen, Monthly Loading Ammonia-Nitrogen, Monthly Avg. Ammonia-Nitrogen, Weekly Avg.	265.48 lb/day 21 mg/l 27 mg/l 164.51 lbs/day 13 mg/l 18 mg/l 8,495 col/100 ml 35,000 col/100 ml 190.90 lbs/day 15.10 mg/l 16.40 mg/l	50 lbs/day 10 mg/l 15 mg/l 25 lbs/day 5 mg/l 8 mg/l 1,000 col/100 ml 2,000 col/100 ml 10 lbs/day 2 mg/l 4 mg/l
November 2006	TSS, Monthly Loading TSS, Monthly Avg. TSS, Weekly Avg. $CBOD_5$, Monthly Loading $CBOD_5$, Monthly Avg. $CBOD_5$, Weekly Avg. Fecal Coliform, Monthly Avg. Fecal Coliform, Weekly Avg. Ammonia-Nitrogen, Monthly Loading Ammonia-Nitrogen, Monthly Avg. Ammonia-Nitrogen, Weekly Avg.	289.66 lbs/day 22 mg/l 26 mg/l 209.57 lbs/day 16 mg/l 27 mg/l 8,322 col/100 ml 45,000 col/100 ml 123.86 lbs/day 9.576 mg/l 11.50 mg/l	50 lbs/day 10 mg/l 15 mg/l 25 lbs/day 5 mg/l 8 mg/l 1,000 col/100 ml 2,000 col/100 ml 10 lbs/day 2 mg/l 4 mg/l
December 2006	TSS, Monthly Loading TSS, Monthly Avg. TSS, Weekly Avg. $CBOD_5$, Monthly Loading Fecal Coliform, Monthly Avg. Fecal Coliform, Weekly Avg. Ammonia-Nitrogen, Monthly Loading Ammonia-Nitrogen, Monthly Avg.	307.72 lbs/day 24 mg/l 24 mg/l 111.23 lbs/day 49,953 col/100 ml 45,000 col/100 ml 171.58 lbs/day 13.10 mg/l	50 lbs/day 10 mg/l 15 mg/l 50 lbs/day 1,000 col/100 ml 2,000 col/100 ml 25 lbs/day 10 mg/l
January 2007	TSS, Monthly Loading TSS, Monthly Avg. TSS, Weekly Avg. $CBOD_5$, Monthly Loading $CBOD_5$, Monthly Avg. $CBOD_5$, Weekly Avg. Fecal Coliform, Monthly Avg. Fecal Coliform, Weekly Avg. Ammonia-Nitrogen, Monthly Loading Ammonia-Nitrogen, Monthly Avg.	234.85 lbs/day 18 mg/l 24 mg/l 261.35 lbs/day 20 mg/l 34 mg/l 49,935 col/100 ml 65,000 col/100 ml 139.94 lbs/day 10.50 mg/l	50 lbs/day 10 mg/l 15 mg/l 50 lbs/day 10 mg/l 15 mg/l 1,000 col/100 ml 2,000 col/100 ml 25 lbs/day 10 mg/l
February 2007	TSS, Monthly Loading TSS, Monthly Avg. TSS, Weekly Avg.' $CBOD_5$, Monthly Loading $CBOD_5$, Monthly Avg. $CBOD_5$, Weekly Avg.	528.57 lbs/day 39 mg/l 49 mg/l 193.07 lbs/day 14 mg/l 19 mg/l	50 lbs/day 10 mg/l 15 mg/l 50 lbs/day 10 mg/l 15 mg/l

	Fecal Coliform, Monthly Avg. Fecal Coliform, Weekly Avg. Ammonia-Nitrogen, Monthly Loading	17,944 col/100 ml 60,000 col/100 ml 125.91 lbs/day	1,000 col/100 ml 2,000 col/100 ml 25 lbs/day
March 2007	TSS, Monthly Loading TSS, Monthly Avg. TSS, Weekly Avg. $CBOD_5$, Monthly Loading $CBOD_5$, Monthly Avg. Fecal Coliform, Monthly Avg. Fecal Coliform, Weekly Avg. Ammonia-Nitrogen, Monthly Loading Ammonia-Nitrogen, Monthly Avg.	696.15 lbs/day 51 mg/l 51 mg/l 191.10 lbs/day 14 mg/l 38,000 col/100 ml 38,000 col/100 ml 144.69 lbs/day 10.6 mg/l	50 lbs/day 10 mg/l 15 mg/l 50 lbs/day 10 mg/l 1,000 col/100 ml 2,000 col/100 ml 25 lbs/day 10 mg/l

XII. ADDITIONAL INFORMATION:

The Department of Environmental Quality reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon water quality studies. These studies may indicate the need for **advanced/more advanced** wastewater treatment. Studies of similar dischargers and receiving water bodies have resulted in monthly average effluent limitations of 5 mg/l $CBOD_5$, and 2 mg/l NH_3-N. Therefore, prior to upgrading or expanding this facility, the permittee should contact the Department to determine the status of the work being done to establish future effluent limitations and additional permit conditions.

Final effluent loadings (i.e. lbs/day) have been established based upon the permit limit concentrations and the design capacity of 0.605 MGD.

Effluent loadings are calculated using the following example:

CBOD: 8.34 lb/gal x 0.605 MGD x 10 mg/l = 50 lb/day

At present, the **Monitoring Requirements, Sample Types, and Frequency of Sampling** as shown in the permit are standard for facilities of flows between 0.50 and 1.0 MGD.

Effluent Characteristics	Monitoring Requirements Measurement Frequency	 Sample Type
Flow	Continuous	Recorder
$CBOD_5$	1/week	3 Hr. Composite
Total Suspended Solids	1/week	3 Hr. Composite
Ammonia-Nitrogen	1/week	3 Hr. Composite
Dissolved Oxygen	1/week	Grab
Fecal Coliform Bacteria	1/week	Grab
pH	1/week	Grab

Pretreatment Requirements

Based upon consultation with LDEQ pretreatment personnel, general pretreatment language will be used due to the lack of either an approved or required pretreatment program.

XIII TENTATIVE DETERMINATION:

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in this Statement of Basis.

XIV REFERENCES:

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 8, "Wasteload Allocations / Total Maximum Daily Loads and Effluent Limitations Policy," Louisiana Department of Environmental Quality, 2005.

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 5, "Water Quality Inventory Section 305(b) Report," Louisiana Department of Environmental Quality, 1998.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Chapter 11 - "Louisiana Surface Water Quality Standards," Louisiana Department of Environmental Quality, 2004.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Subpart 2 - "The LPDES Program," Louisiana Department of Environmental Quality, 2004.

Low-Flow Characteristics of Louisiana Streams, Water Resources Technical Report No. 22, United States Department of the Interior, Geological Survey, 1980.

Index to Surface Water Data in Louisiana, Water Resources Basic Records Report No. 17, United States Department of the Interior, Geological Survey, 1989.

LPDES Permit Application to Discharge Wastewater, Town of Kinder, Louisiana, Kinder Wastewater Treatment Facility, March 1, 2007.